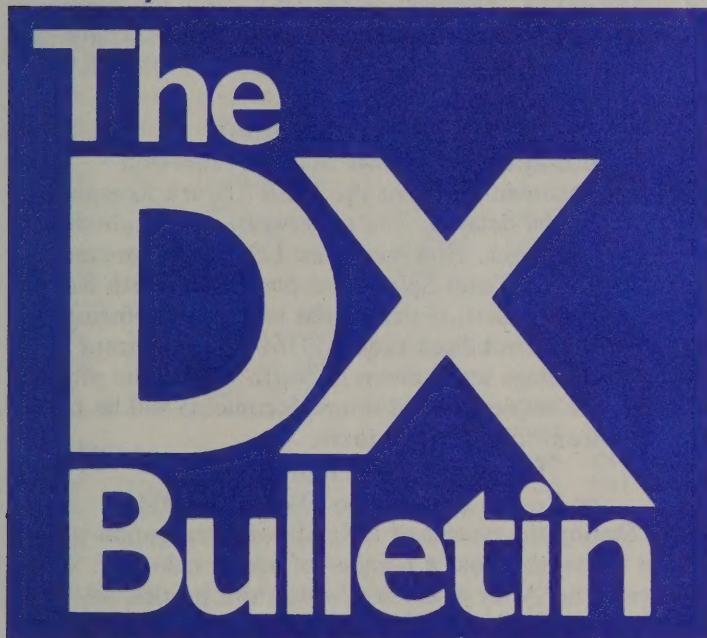


**Penguin Islands - ZS1** Four German amateurs have finalized plans to operate from the Penguin Islands ZS1 (AF-055) July 24-August 3, on CW and SSB, all bands 160-10 meters. They are taking two towers, and perhaps an amplifier, if weight restrictions permit. They'll operate RTTY if they can borrow a small TNC. Operators are James Clarkson DJ0WQ, Peter Bertram DJ2ZS, Roland Hagmann DJ4LK, and Gunter Hartmann DK2WH.

**Walvis Bay - ZS9** Following their Penguin Island operation, the four Germans will operate from Walvis Bay and Namibia V5 until the 13th of August. Exact start date depends on how much trouble they have getting off Penguin; probably Aug. 4th or 5th. More details on both operations as available.

Edited by Chod Harris VP2ML



America's Premier Weekly Amateur Radio Publication

**Peter I Island - 3Y** "A core group of the VP8SSI team has planned an expedition to Peter I. The group has transportation, landing permission, and assurance of a license. The group is scheduled to land on Peter I on Feb. 1, 1994. Four HF stations with an all-mode and all-legal-band operation is planned. An international team of 10 operators is scheduled for a 16-day stay on the island. To conduct this operation safely and accomplish all the logistics is, of course, expensive. Contributions are needed and will be greatly appreciated. If the expedition does not occur, contributions will be returned. As with the VP8SSI trip, AA6BB and KA6V will accept and manage the contributions. They will also serve as QSL managers. Special thanks are in order to Norwegian amateurs for helping to make this possible."

### Shortly Noted

- **5W1CW** is Ron Wright ZL1AMO on the DXpedition trail again. Try 7002-8, 10103, and 26-29 kHz up on CW. Remember that Ron listens **below** his frequency, as well as above. On SSB, try 14236 and 28493 kHz. QSL home call, direct preferred. He is rumored to be headed for ZK3.
- **C21/VK2BEX** will be active for a few more days. Try 3799 kHz at 1000Z, 7001± 07-09Z, 10101 07-10Z, 14005 16Z, 18070 05Z, and 21295 2300Z. QSL VK2BEX.
- **Uganda:** Jim Henderson KF7E had to cancel his plans to join 5X1XA/XB. Otherwise the trip is on schedule.
- **The St. Pierre and Miquelon** FP operation (Issue 684) has been rescheduled to June 17-24, followed by Prince Edward I. VY2 June 26-30, and CQ Zone 2 July 4-11.
- **3C1TR** is active on SSB only most days; QSL to KE7N.
- **BY1QH** is on 30 meters around 1000Z Saturdays, with DJ7BU operating. QSL to DJ7BU. (OPDX.)
- **C6AGN** is Bill Wiseman KM1E from Green Turtle Cay (NA-080) April 27-May 23. Bill will concentrate on six meters and the new bands. QSL via KA1DIG.
- **4U8ITU** will be operated May 1-8 by I1RBJ. QSL to I1RBJ: Gian Carlo Paul Bavassano, Via Monte 7, I-10126 Torino, Italy. (The other 1993 *Callbook* addresses are incorrect.) Paul will sign **IE1ITU** in May as well.
- **German postage rates** increased April 1. It now costs DM3 to send an envelope by airmail outside of Europe, or about US\$2, or two IRCs. You may get cards back via the bureau if you sent only US\$1 or one IRC.
- **PA3CXC/ST0** is currently active, mostly on CW on the new bands. Try 30 and 17 meters 21-0300Z. (OPDX.)
- **T5YR** is Peter DL8YR, until May 19, mostly CW. QSL home call. (OPDX.)
- **SSB Net check-ins:** **14227:** (11,21Z) J5UAI N9OQS/T5 P29AI V73EX KH2FG; **14247:** (23Z) SU1AL EL2PP; **14256:** (2330Z) TL8NG TL8CG; **21313:** (18Z) 5V7DP; **21335:** (14Z) YK1AO TN1AT; **28480:** (14Z) TN1AT.
- **RTTY:** **HK0DPA** is often on 14087 kHz at 2300Z. The correct address for **ET3SID** is P. O. Box **60229** (not Box 60222), Uneca, Addis Ababa, Ethiopia.
- **Islands On The Air:** **P29VMS** Is Bernhard Stefan DL2GAC on Witu Island (OC-???), to April 27. He wraps up his multi-island DXpedition soon. **N7PIB/1** will be active from Nantucket (NA-046) April 23-May 3; QSL N7PIB. **WB1CBY/VE8** will try to operate from Richard's Island (NA-???) April 30-June 3. **VK6NE**, **VK6BFI**, and **VK6VZ** will try to activate Nook Island (OC-???) before May 2. Try 5 kHz up on CW, and 3795, 7075, 14195, 21295, and 28495 kHz. QSL direct only to **VK6ANC**. **Peng Hu Island** (AS-103, a New One for IOTA) will be active April 23-May 5, by **BV4AS**, **BV4OB**, **BV4BN**, and **N4VA**. A special **BV9** call has been requested; if not granted, they'll sign **/BV9** or **/BV7**. Try 25 kHz up on CW, and the IOTA frequencies. QSL via P. O. Box 553, Taichung, Taiwan 400.



## Propagation Forecast and Historical Data

Day	Forecast	27 Days Before	55 Days Before
April 1993	Date	Flux A K	Date Flux A K
23	High Normal	3/27 123 09/11 2	2/27 124 02/04 1
24	High Normal	3/28 126 11/13 3	2/28 124 21/24 2
25	High Normal	3/29 129 13/18 0	3/1 132 12/16 2
26	High Normal	3/30 129 17/16 2	3/2 144 15/22 3
27	High Normal	3/31 125 07/09 2	3/3 151 19/27 3
28	Above Normal	4/1 124 08/08 2	3/4 167 20/21 1
29	Above Normal	4/2 121 05/05 1	3/5 165 05/06 0
30	Above Normal	4/3 117 01/04 0	3/6 167 08/09 2
May 1993			
1	Below Normal	4/4 116 26/31 5	3/7 153 11/13 2
2	Disturbed	4/5 119 66/102 4	3/8 146 19/19 3
3	High Normal	4/6 133 10/12 2	3/9 143 51/78 2
4	High Normal	4/7 130 13/13 3	3/10 149 09/11 1
5	Low Normal	4/8 143 17/19 3	3/11 150 29/32 5
6	Low Normal	4/9 136 20/17 4	3/12 161 20/20 4
7	Low Normal	4/10 139 20/20 3	3/13 142 23/24 4
8	High Normal	4/11 119 09/09 2	3/14 136 16/16 3
9	Low Normal	4/12 103 11/14 2	3/15 131 39/54 3

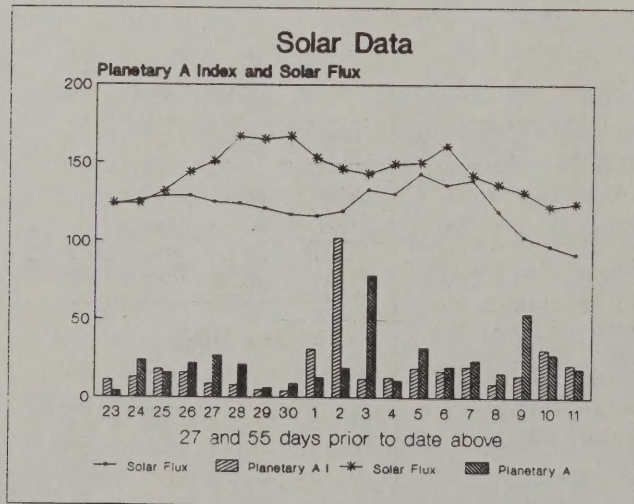
### Propagation Watch

DXers are getting a taste of what propagation will be like over the next few years. Solar flux levels dropped below 100 (the minimum is near 60), and a series of flares disrupted propagation. In short, the bands have been lousy.

A Class M flare (mid-level) at 1900Z on April 18 caused some radio sweeps (those strange whistling noises), and a short-lived Sudden Ionospheric Disturbance (SID). This essentially blanked out propagation on the lower bands. Fortunately the guilty sunspot, Region 7477, was on the eastern side of the sun, so that the majority of the charged particles from the flare missed the earth. The subsequent geomagnetic storm should be a minor one.

However, Sunspot Region 7477, as well as Region 7480, may produce more flares this week, when they have rotated to the western side of the sun. Then the disruption to the earth's geomagnetic field will be more severe. Be prepared for reduced maximum useable frequencies, increased fading and multipathing, disrupted polar communications, and generally lousy propagation.

East-west propagation and low-latitude paths will remain open, but otherwise the DX picking will be slim.



## Three New DXCC Countries!

The ARRL Awards Committee at ARRL Headquarters voted unanimously to accept the recommendation of the DX Advisory Committee (DXAC) to add the former Yugoslavian republic of **Macedonia 4N5/YU5** to the DXCC countries list. Contacts made September 8, 1991 or later will count for the new country. This is based on DXCC country criterion Point 1, Government.

The Awards Committee also voted unanimously to accept the DXAC recommendation to **delete Czechoslovakia OK-OM**, effective 1 January 1993. Contacts made 31 December 1992 and before count for this deleted country.

Replacing Czechoslovakia, effective January 1, 1993, are the **Czech Republic OK/OL**, and the **Slovak Republic OM**. These are based on DXCC countries criterion Point 1, Government, in accordance with the DXAC recommendation.

The DXCC desk will accept QSL cards for these three new DXCC countries starting **June 1, 1993**. Cards received at the DXCC desk prior to June 1, 1993, will be returned without action.

### P5SR7 Documentation

Ed Kritsky NT2X reports that the requested additional documentation for the P5SR7 North Korean operation will be delayed. The paperwork can be obtained only in North Korea. However, joint US-South Korean maneuvers called Team Spirit have prompted North Korea to go on military alert. North Korea has expelled foreign diplomats, and mobilized their 650,000-strong citizens army. When things settle down in North Korea, the process of getting the requested additional documents will be taken care off. Meanwhile, hang in there.

### Libya 5A and Tunisia 3V

by Romeo Stepanenko 3W3RR/AH0M

"During the course of DXpedition preparation to Tunisia we came across a number of additional considerations. After discussions with third parties, we decided to make it into a separate operation, sometime in May-June 1993. Furthermore, we decided to bring in operators from Spain and Belgium.

"DXpedition to Libya 5A is being postponed until the end of April, after Dayton, because more assistance is needed for us to take off. We are very grateful to all who have made donations. Additional support is needed.

"I will be at Dayton. See you there."

Donations may be sent to Romeo c/o INDEXA, via Murphy Ratterree W4WMQ, 264 Wayland Drive, Rock Hill SC 24730.

### QSLs Received

- From managers: **ZA1A** (OH2BBF 8 MOS), **P5SR7** (JA1HGY 3 MOS), **HF0POL** (SP9DWT 14 MOS), **S79S** (KQ1F 4 MOS), **OJ0/OH1AF** (OH1EH 6 MOS), **YB6AVE** (DJ5CQ 3 WKS), **ZK2XJ** (JA3JM 3 WKS), **XQ0X** (CE3ESS 3 MOS), **OX3MZ** (OZ1KHZ 1 MO), **3Y2GV** (LA6ZH 2 MOS), **YX0AI** (via Florida 1 MO), **HC8A** (WV7Y 1 MO), **FW/G4DZC** (G4DZC 6 MOS), **A22MN** (W8JOC 2 WKS), **9K2GS** (WB6JMS 6 WKS), **9A1A** (9A2AJ 1 MO), **XU7VK** (HA0MW 3 WKS).
- Direct: **TA5C** (4 WKS), **6W6JX** (3 WKS), **JW9VDA** (3 WKS), **5Z4FM** (16 DYS).



# B • A • N • D • P • A • S • S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. \* = long path. P = packet.  
All "portable" calls listed with country of operation first, regardless of format used on the air.

S	M	T	W	T	F	S
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1
2	3	4	5	6	7	8

## RTTY

7Q7ZZ	14083	2140	5	OH
9J2HN	14086	2214	9	FL
EA8AOE	14081	0125	10	OH
FG4FI	14084	0120	10	OH
FO4OD	14092	0344	10	ID
HKØDPA	14087	2241	9	FL
OX3BV	14092	2344	17	FL
ZC4ST	21087	1854	17	FL

## 160 Meters

FY5EW	1833	0243	11	MA
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## 80 Meters

3C1EA	3501	0140	10	MA
6W6JX	3510	0125	4	IA
7Q7XX	3503	0227	11	CA
9A2DW	3509	0440	10	FL
JA1HQT	3502	1020	10	NH
KH6CF	3504	0829	11	NH
TU4SR	3505	0434	10	FL
VK5MV	3505	1012	10	NH
VK6HD	3502	1000	11	NH
VK6HD *	3503	2237	10	MA
VK6WJ	3504	1020	11	NH
ZL3ABV	3505	0959	10	NH
ZS4TX	3502	2325	10	MA

## 75 Meters

4N4CX	3799	0309	10	CA
A22BW	3792	0410	12	IA
F6GSM *	3799	0518	11	CA
JF1IST	3799	1005	12	NH
S59DRJ *	3799	0354	11	CA
VK6LK *	3798	2242	10	MA
XQØX	3799	0401	12	CA
XQØX	3799	0820	13	IA
ZP5JCY	3796	0520	10	AZ

## 40 Meters

3B8CF	7005	1435	8	CA
3D2QB	7005	1158	11	MI
4K1F	7002	0053	17	FL
7P8SR	7008	0435	11	MI
9V1ZE	7003	1050	11	IA
9X5HG	7001	0121	17	FL
A71CW	7005	0014	10	FL
CEØZIS	7006	0038	14	FL
FK8GJ	7009	1150	13	IA
FS4PL	7012	0015	12	FL
JT1BR	7009	1311	8	CA
TU4SR	7005	0455	10	IA
VU2VWN	7005	1317	9	AZ
XQØX	7002	0040	12	IA
YN/	7014	0231	6	GA
SMØOIG				
Z21HS	7005	0425	7	CA
ZA1Z	7012	0350	11	IA

## 30 Meters

3B8CF	10105	0313	7	MI
4N5GB	10102	0004	7	FL
6W6JX	10103	2335	9	MI
8Q7VM	10101	2336	17	FL
9A2CAO	10109	2250	16	FL
9J2BO	10108	0447	7	CA
9K2MU	10102	2340	8	GA
A22BW	10109	0456	10	FL
A71CW	10101	0055	10	FL
C9NAF	10114	2245	16	FL
STØ/	10100	0010	15	FL
PA3CXC				
UI8QU	10100	2239	9	FL
ZD8DEZ	10103	2241	14	FL
ZS6DM	10106	2219	16	FL

## 20 Meter CW

3B8CF	14021	1220	12	IA
4J4JJ	14006	0411	11	OR
4J4JJ	14022	2119	14	FL
4K2RRC	14018	0048	15	FL
4U1UN	14027	2141	9	MI
5NØZKJ	14011	2058	6	MI
5U7M	14002	2300	9	FL
5W1CW	14028	0252	14	CA
7Q7XX	14014	2129	6	FL
7Z2AB	14005	2233	15	FL
9K2ZZ	14005	2345	7	FL
9V1XR	14022	1455	13	ID
A71CW	14018	2255	8	IA
C91J	14005	2045	6	MI
C9NAF	14030	2201	14	FL
CEØZIS	14050	0042	11	VA
FO5BI	14015	1615	10	ID
HC5AI	14025	1151	7	GA
HKØER	14025	2236	14	FL
HR1LW	14002	1149	9	FL
JT1AA	14004	1250	12	IA
JT1CD	14009	1511	9	NH
JWØF	14026	2146	14	FL
OX3MZ	14021	2316	11	FL
PZ1DY	14031	0048	7	GA
PZ1EH	14007	0106	13	CA
TA3D	14010	2132	14	FL
TF3CW	14001	1919	11	NC
TR8GR	14006	0046	8	NC
TU4SR	14025	1845	7	NB
UF6FJ	14021	2229	9	FL
UF7FWW	14030	0405	10	GA
UF7FWW	14028	1751	9	NH
UI8GA	14018	1343	7	FL
UI9ACP	14014	0154	4	FL
UI9AWX	14040	1429	11	ID
UL8GWJ	14012	1449	11	ID
UM8DX	14024	0157	4	FL
UM8NU	14007	0140	17	FL
UM8QDX	14008	1542	12	ID
UN7FCO	14026	0102	10	VA
UN7LZ	14042	0300	10	CA
V85AA	14008	1530	8	ID
VP8BCQ	14020	2340	8	GA

VU2PTT	14007	2307	10	KS
XQØX	14015	0215	10	CA
YB2FEA	14026	1226	10	FL
YN1CC	14012	2312	9	NH
ZA1Z	14024	1612	17	FL
ZB2JK	14025	2318	11	FL
ZD8DEZ	14019	2342	6	NH
ZD8LII	14015	2337	7	FL
ZD8VJ	14024	2029	9	NH

## 20 Meter SSB

5Z4FM *	14196	1435	10	CA
7X2DG	14180	1156	11	IL
9M8DB	14227	1627	11	WI
A71BY	14188	2205	4	IA
ET3DX	14193	0132	11	NC
FK8FU	14180	0610	10	KS
FR5DX	14185	0434	10	CA
FR5ZU	14256	0315	12	CA
HS1HSJ	14197	1515	10	IA
P29MO	14180	1304	11	IL
UL8GWJ	14200	1715	11	CA
V51E	14252	1320	12	IA
VS6WV	14190	1345	13	MT
VU2RAK	14181	1655	10	WI
XU3NN	14196	1440	10	CA
XX9AS	14193	1505	13	ID
YJØAVG	14203	0545	12	IA

## 17 Meter CW

4N5PK	18070	1557	6	MI
7Q7XX	18070	1510	4	FL
A71CW	18075	2133	6	FL
ES1AO	18088	1350	4	FL
OD5/	18083	1420	4	FL
SP7LSE				
RC2SA	18074	1511	4	FL
STØ/	18070	2115	17	FL
PA3CXC				
VS6EY	18071	1341	4	FL
XQØYAF	18072	0025	10	MI
ZD8LII	18072	0003	11	CA
ZD8VJ	18073	2008	9	MI

## 17 Meter SSB

3XØHLU	18150	0100	9	CA
A92BE	18132	2042	6	VA
DU1AK	18132	1438	11	CA

## 15 Meter CW

5X1B	21024	1934	6	MI
7P8SR	21025	1145	10	MA
7Q7LA	21025	1534	17	FL
A71CW	21023	2015	4	IA
C91J	21032	1812	11	IL
EA8BTU	21020	1535	17	FL
EG1RX	21007	1420	7	FL
FK8GM	21036	2200	10	KS
HJØVGJ	21025	2215	8	CA
OD5/	21026	1321	9	FL
HB9AMO				

OD5/	21015	1843	9	MT
SP7LSE				
TA1AJ	21010	1504	11	FL
TR8GR	21016	2120	4	IA
TR8LC	21010	0126	12	IL
TR8YA	21045	1735	11	IA
TU2CI	21014	1700	17	FL
TU2XZ	21013	1151	10	MA
TU4SR	21025	1847	9	MT
VQ9IO	21008	2200	10	IA
VS6WV	21012	0230	12	IA
YN1CC	21022	2155	4	IA
Z21HS	21016	1602	17	FL
ZD8DEZ	21014	2310	9	GA
ZD8LII	21019	2226	8	CA

## 15 Meter SSB

4N4XX	21328	1517	11	IL
5X1A	21323	2000	6	NC
9X5HT	21222	2125	9	IA
A47RS	21298	1545	11	IA
ET3DX	21276	2146	9	VA
HV3SJ	21275	1350	10	VA
SU1AL/2	21279	2125	4	IA
TJ1JR	21275	2128	6	VA
TL8CG	21263	1930	11	IA
V63DJ	21260	2138	10	CO
V73C	21312	0220	12	IA
VQ9IO	21281	1933	10	NC
ZD7DP	21267	1934	9	MI

## 12 Meter CW

3C1EA	24897	1238	9	FL
5T5CJ	24908	1457	4	FL
TU4SR	24895	1749	7	MI
UC2AAA	24898	1335	4	FL
ZD8DEZ	24895	1236	9	FL
ZD8LII	24905	2130	12	SC
ZD8VJ	24905	1553	11	CA

## 12 Meter SSB

4N5BU	24940	1610	9	VA
8R1RBF	24975	2102	9	MT

## 10 Meter CW

7P8SP	28015	1233	9	FL
FM4FZ	28020	1429	7	FL
HC5AI	28017	1412	7	FL
HKØDPA	28030	1601	11	FL
PZ1DY	28023	1306	9	FL
VP8BCQ	28016	1957	10	IL
XQØYAF	28010	1840	4	IA
ZD8LII	28006	1619	11	CA
ZD8VJ	28025	1517	11	FL

## 10 Meter SSB

5X1A	28379	1830	11	NH
5Z4FM	28485	2030	8	FL
KH2FG	28505	0241	12	CA
TZ6VV	28460	1841	9	MI
VP8CFD	28420	1445	10	IA
ZL2RE	28433	2046	10	IL



## Current and Future DXpeditions

(Changes and hot info in boldface.)

DXCC Country	Prefix	Callsign	Dates	Issue
American Samoa	KH8	HB9TL	June 18-20	I684
Angola	D2	D2BG	to August	I682
Antarctica	CE9	OH	14190 2000Z	Sunday
Ascension Island	ZD8	VJ	Now-1994	I673
	ZD8	DEZ	to August	I678
Bahamas	C6	C6AGN	April 27-May 23	I685
Bahrain	A9	A92WH	Apr. 15-June 30	I683
Bangladesh	S2	S21ZG	7004 1200Z	I674
Barbados	8P	8P9DL	Apr. 24-May 6	I683
Cambodia	XU	XU7VK	others now active	I670
Cayman Islands	ZF	ZF2UH	Apr. 17-24	I681
		ZF2UA/UB	Apr. 19-26	I682
Corsica	TK/	IK4s	May 14-17	I684
Crozet	FT	FT4WD	Now	I670
Ethiopia	ET3	TI	now	I683
Fiji	3D	3D2TL	May 27-June 2	I684
Gough Island	ZD9	ZD9CQ	now-May	I680
Ivory Coast	TU	TU4SR	now active	I683
Laos	XW	XW2A/XW6A	Apr. 28-May 8	I683
Liberia	EL	EL2YD	to late 1993	I683
Libya	5A	TBA	after Dayton	I681/2
Madagascar	5R	5R8DG	28544 14-1500Z	I672
Maldives	8Q	DL1ZBE	Apr. 11-May 2	I683
Monaco	3A	IK4s	April 24-25	I684
Nauru	C2	C21BR	to mid-Apr.	I669
	C21	VK2BEX	now active	I685
Nevis	V4	V47RS/WC	Apr. 29-May 5	I683
Papua New Guinea		P29TL	May 5-13	I684
Penguin Islands	ZS1	DLs	July 24-Aug. 3	I685
Peter I Island	3Y		Feb. 1-17	I685
Qatar	A7	A71CW	now active	I675
Rwanda	9X	9X5AB	now active	I662
Saba	PJ/	N3NCW	April	I677
St. Martin	FS/	N3NCW	April	I677
St. Pierre & Miquelon	FP	Ws	June 17-24	I684
San Felix	CE0	XQ0X	CW now	I681
São Tomé	S9	S92ST	now active	I674
		by ON4QM	soon?	I682
Seychelles	S7	S79MD	now active	I670
Singapore	9V	9V1YU	15M 15-1700Z	I661
Solomon Islands	H4	by HB9TL	May 16-19	I684
Somalia	T5	T5YR	to May 19	I685
Southern Sudan	ST0	PA3CXC	now active	I685
Spratly Islands	1S	9M0S	postponed	I680
Syria	YK	4U/OH3MIG	now active	I683
Taiwan	BV/	N4VA	to July	I676
Tonga	A3	by HB9TL	June 10-13	I684
Tromelin	FR/T	FR5ZU/T	now-May	I682
Uganda	5X	WF5T/N3JCL	Apr.27-May 12	I681
		5X1B	21030 1900Z	I683
Vanuatu	YJ	by HB9TL	May 21-26	I684
Wallis Island	FW/	HB9TL	June 3-8	I684
Walvis bay	ZS9	by DLs	Aug. 4-13	I685
Western Samoa	5W	by HB9TL	June 14-17	I684
		5W1CW	now	I685

## Resident Amateurs on Regularly

DXCC Country	Callsign	Freq.	UTC
Ascension Island	ZD8LII	21020/14015	2230Z
Azores	CU2AK	10103±	0000Z
Botswana	A22BW	3792	0400Z
Cameroon	TJ1JR	21277	2130Z
Falkland Islands	VP8BCQ	28014±	2000Z
Falkland Islands	VP8BCQ	14018	2340Z
Gabon	TR8GR	14010±	0045Z
Georgia	UF7FWW	14028	1800Z
Guinea	3X0HLU	18150	0100Z
Japan	JA1HQT	3502	1020Z
Kazakhstan	UL8GA	14025±	1345Z
Kuwait	9K2MU	10102	2345Z
Macao	XX9AS	14190±	1500Z
Malawi	7Q7XX	3503	0230Z
Malawi	7Q7XX	14010	2130Z



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New Caledonia	FK8GJ	7007	1200Z
Nigeria	5N0ZKJ	14011	2100Z
Qatar	A71CW	14020±	2300Z
Singapore	9V1ZE	7004	1100Z
Southern Sudan	ST0/PA3CXC	10102	0000Z
St. Helena	ZD7DP	21267	1930Z
Uganda	5X1A	21323	2000Z
Uganda	5X1B	21025	1930Z

## Operating Events and DX Gatherings

Dates	Event	Reference:
April 23-25	Dayton Hamvention®	
April 24-25	Swiss Helvetia Contest	CQ
May 1	ARI DX Contest	May DX Magazine
May 8-9	Volta RTTY Contest	RTTY Journal

## Contributors

This Issue would not have been possible without the assistance of our dedicated reporters; Many thanks for your efforts. -ed. [Ran out of room; list next week! -chod.]